

REMARKS

The above-identified application is United States application serial number 09/616,330 filed on July 15, 2000. Claims 13-34 and 36 are pending in the application. Claim 35 has been canceled. The rejection of Claims 13-36 under 35 U.S.C. § 103 has been reversed. Claims 22-36 are rejected under 35 U.S.C. § 112. Applicant respectfully traverses these rejections.

Claim Rejections - 35 USC §112

Claims 22-34 and 36 are rejected under 35 U.S.C. § 112 first paragraph for lack of written description. In response, Applicant has amended the specification to include the figures and text portions from Appendix 1 of the application that support the claims. Claims 22-34 and 36 are reproduced below showing references to the supporting sections of the Specification as originally filed and as now amended. Figures 6, 7, and 8 from Appendix 1 have now been included as FIGS. 13, 14, and 15 in the specification. Drawing sheets 10, 11 and 12 showing FIGS. 13, 14, and 15 are being filed herewith. (Note that reference is made to supporting sections of Appendix 1 in Claims 25-28 below, which sections are now included in the Specification.)

22. (Previously Presented) An apparatus comprising:
logic instructions operable to:

- receive a service request from a sender, wherein the service request invokes a service component and provides parameters required by the service component (1306, FIG. 13);
- determine whether the service component invoked by the service request is available (1308, FIG. 13);
- determine the parameters in the service request that are required by the service component (1308, FIG. 13);
- create a request document that includes the parameters required by the service component based on at least some of the parameters in the service request (1308, 1318, FIG. 13);
- create an encoder object upon receipt of the service request (1312, FIG. 13), wherein the encoder object identifies a handler that translates the request document to a document format required by the service component (1312, 1320, FIG. 13); and

transmit the encoder object (1316, FIG. 13) and the request document to a system hosting the service component (1320, FIG. 13).

23. (Currently Amended) The apparatus of Claim 22 further comprising:
logic instructions operable to:
 invoke the service component using the ~~request~~ ~~second~~ document (1404, FIG. 14);
 receive a response from the service component in the document format required by the service component (1502, FIG. 15);
 convert the response to a response message in a platform-independent format (1502, FIG. 15);
 provide the response message to a message platform (1506, FIG. 15);
 convert the response message to a format required by the sender (1506, FIG. 15).

24. (Previously Presented) The apparatus of Claim 22, wherein the encoding object is included in a Universal Resource Locator. (URL) (1318, FIG. 13).

25. (Previously Presented) The apparatus of Claim 22 further comprising:
logic instructions operable to:
 create a connection information file that identifies an external host on which the service component resides. (Appendix 1 p. 27).

26. (Previously Presented) The apparatus of Claim 25 wherein the connection information file further identifies a port on which the service component resides. (Appendix 1 p. 27).

27. (Previously Presented) The apparatus of Claim 25 wherein the connection information file further identifies a transport mode and a handler that is operable to create the second document. (Appendix 1 p. 27).

28. (Previously Presented) The apparatus of Claim 22 further comprising:
logic instructions operable to:
 generate a Graphical User Interface (GUI) to identify and store addresses of external host computers on which service components that can be invoked by the sender reside. (Appendix 1 p. 27).

29. (Previously Presented) The apparatus of Claim 22 further comprising:
logic instructions operable to:

generate a repository of information regarding the service component, wherein the repository includes at least one of the group consisting of: an identifier, a classification, dependencies, and version of the service component.
(Specification, page 11, lines 13-19).

30. (Previously Presented) The apparatus of Claim 29 wherein the repository includes a component data section and a shared data section, and the shared data section includes information that can be shared between service components and changed dynamically at runtime. (Specification, page 11, lines 17-20).

31. (Previously Presented) The apparatus of Claim 22 further comprising:
logic instructions operable to:

create a catalog of components in the repository, wherein the catalog can be accessed by authorized users. (Specification, page 13, lines 8-11).

32. (Previously Presented) The apparatus of Claim 22 further comprising:
logic instructions operable to:

generate instructions to specify remote interfaces and provide an interface for writing remote objects. (Specification, page 14, lines 4-6).

33. (Previously Presented) The apparatus of Claim 29 further comprising:
logic instructions operable to:

map relationships between objects in the service components. (Specification, page 14, lines 11-15)

34. (Previously Presented) The apparatus of Claim 22 further comprising:
logic instructions operable to:

implement a transaction protocol to coordinate transactions from disparate systems communicated via different protocols. (Specification, page 26, lines 8-21).

35. (Canceled)

36. (Previously Presented) The apparatus of Claim 35 wherein further comprising:
logic instructions operable to:

select the alternate service component based on at least one factor of the group consisting
of: queue depth, average compute time, and network latency. (Specification,
page 21, lines 19-22).

Applicant believes the above citations show written description support for Claims
22-34 and 36. Removal of the rejection under 35 U.S.C. § 112 and allowance of Claims 22 -
34 and 36 is respectfully requested.

Claim 23 has been amended to correct an antecedent error by changing "the second
document" to --the request document--.

Claim 35 has been canceled.

CONCLUSION

Applicant believes all Claims 13-34 and 36 are in form for allowance and a notice
to that effect is solicited. In the event it would facilitate prosecution of this application,
the Examiner is invited to telephone the undersigned at (949) 350-7301.

I hereby certify that this correspondence is being transmitted to the USPTO on the
date shown below:

/Mary Jo Bertani/
(Signature)

Mary Jo Bertani
(Printed Name of Person Signing Certificate)

July 23, 2006
(Date)

Respectfully submitted,

/Mary Jo Bertani/

Mary Jo Bertani
Attorney for Applicant(s)
Reg. No. 42,321